

Proteomic, transcriptomic and epidemiological analysis of adipocyte-secreted proteins'towards a system biological understanding of adipocytes

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Propositions (Stellingen)

belong to the dissertation

Proteomic, transcriptomic and epidemiological analysis of adipocyte-secreted proteins— towards a system biological understanding of adipocytes

1. Adipose tissue is an energy storage organ supported by the secretory function of adipocytes.
— this dissertation
2. The 3T3-L1 cell line is a useful white adipocyte model to study adipocyte differentiation, extracellular matrix remodeling, and response to stimuli, including the secretion and intracellular transport of proteins.
— this dissertation
3. Viewing the cell as running functional modules instead of a bunch of genes can help us to catch the holistic perspective of the cell without getting lost in the sea of ‘omics’ data.
— this dissertation
4. The ‘discrepancy’ between different ‘omics’ levels reflects the flexibility of the cell in its adaptation to the environment.
— this dissertation
5. Men are not mice.
— Peter Arner, in *Diabetologia* 2005. 48(11): 2203-5.
6. Research ethics matter immensely to the health of the scientific enterprise. Anyone who thinks differently should seek employment in another sphere.
— Editorial, in *Nature* 2006, 439, 117-118
7. 唯其无争，故天下莫能与之争
—老子，道德经，第二十二章
He does not contend, therefore no one in the world is able to contend with him.
— Lao Zi, in *Tao De Ching*, 600s BC, Chapter 22
8. 谦虚使人进步，骄傲使人落后
—毛泽东，1956，毛主席语录第二十四章
Modesty helps one to go forward, whereas conceit makes one lag behind
— Mao Ze-dong, in *Quotations from Chairman Mao* 1956, chapter 24
9. Beautiful things are usually not practical. Snow is such an example of ‘unpractical beauty’, unless you want to ski.

Ping Wang (王萍)

Maastricht, 29 March 2007